



Material - JIS C 3601 BD

Standard Specification for Copper and Copper Alloy Rod for Free Machining Purpose

Group - Non Ferrous Copper Alloys

Sub Group - JIS C 3601 BD Copper and Copper Alloy Rod for Free Machining Purpose

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Iron	Fe %	0.300 max.	As Raw or Solution Heat Treated	
Lead	Pb %	1.800 - 3.700		
Arsenic	As %	0.020 max.		
Nickel	Ni %	0.200 max.		
Fe + Sn	Fe% + Sn%	0.500 max.		
Copper	Cu %	59.000 - 63.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	295 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	95 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn36Pb3	DIN	Germany	Rod
MO61	PN	Poland	Rod
CZ 124	BS	British	Rod
C 3601 W	JIS	Japan	Rod
C 3602 BD	JIS	Japan	Rod
C 3602 BE	JIS	Japan	Rod
C 3602 BF	JIS	Japan	Rod

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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